

RESEARCH AND EXTRAMURAL STUDIES/OSDENE

PENDING APPLICATIONS

Philip Morris Incorporated
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May 1, 1983

Code 1 - Offensive/Urgent
Code 2 - Defensive/Urgent
Code 3 - Offensive/Normal
Code 4 - Defensive/Normal

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189417 PM 975/PREPARATION OF OXYCARBOXYLIC ACIDS

W. Edwards III
Chemical Research/Sanders/Osdene

This invention provides a process for the conversion of an alicyclic alpha,beta-olefinically unsaturated ketone compound to an acyclic oxycarboxylic acid product which contains at least one less carbon atom per molecule than the ketone starting material. The conversion involves ozonation of the alicyclic alpha,beta-olefinically unsaturated ketone in an aqueous alcohol reaction medium, followed by a heating step.

Inskeep

9-22-80 Filed in PTO; assignment recorded.
12-8-90 Prior art statement.
2-3-81 Action rejecting all claims.
4-24-81 Response.
8-4-81 Action indicating informal allowance.
8-26-81 Response.
12-21-81 Examiner's communication indicating allowance pending outcome of question of interference.
6-23-82 Status inquiry.
1-12-83 Status inquiry.

No corresponding foreign applications/patents.

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204974 PM 964/SMOKING COMPOSITIONS

Y. Houminer and H. Grubbs
Chemical Research/Sanders/Osdene

This invention provides tobacco and non-tobacco smoking compositions which contain a heterocyclic-hydroxy-substituted carboxylate compound as a flavorant additive.

Inskeep

11-7-80 Filed in PTO; assignment recorded.
2-5-81 Prior art statement.
9-14-81 Restriction requirement.
9-25-81 Response electing Claims 11-31.
10-26-82 Status inquiry.
11-18-82 Restriction requirement.
11-26-82 Response electing Group III (Claims 11-31).
3-1-83 Action indicating informal allowance.
4-18-83 Amendment.

Corresponding foreign applications/patents in: Argentina, Australia, Brazil, Canada, Venezuela, and EPO designating Belgium, France, Germany, Italy, Netherlands, Switzerland, and UK.

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220196 PM 868 DIV I/SMOKING COMPOSITIONS

E. Sanders and Y. Houminer
Chemical Research/Sanders/Osdene

This invention provides tobacco and non-tobacco smoking compositions which contain a pyrazine-containing polyheterocyclic compound as a flavorant additive.

Inskeep/D&O

12-23-80 Filed in PTO.
11-18-82 Action allowing all claims.
12-13-82 Amendment.

No corresponding foreign applications/patents.

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221054 PM 828 DIV/SMOKING COMPOSITIONS

E. Sanders and Y. Houminer
Chemical Research/Sanders/Osdene

This invention provides tobacco and non-tobacco smoking compositions which contain a substituted-heterocyclic compound as a flavorant additive.

Inskeep/D&O
12-29-80 Filed in PTO.
1-12-83 Status inquiry.

No corresponding foreign applications/patents.

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259264 PM 1019/FLAVOR-RELEASE BETA-HYDROXY-ESTER COMPOSITIONS

H. Grubbs and Y. Houminer
Chemical Research/Sanders/Osdene

This invention provides tobacco and foodstuff compositions which contain a hydroxy-substituted carboxylate compound as a flavorant additive.

Inskeep/D&O

4-30-81 Filed in PTO; assignment recorded..

11-19-82 Action allowing claims 1 and 3-15 and rejecting 2 (response due 19 February).

1-27-83 Amendment.

Corresponding foreign applications/patents in: Australia, Brazil, Canada, and EPO designating France, Germany, Switzerland, and UK.

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265635 PM 920 DIV/SMOKING COMPOSITIONS

H. Grubbs and Y. Houminer
Chemical Research/Sanders/Osdene

This invention provides tobacco and non-tobacco smoking compositions which contain a heterocyclic-hydroxy-substituted carboxylate compound as a flavorant additive.

Inskeep/D&O
5-20-81 Filed in PTO.
1-12-83 Status inquiry.

Foreign applications/patents corresponding to parent (USSN 122901) in: Argentina, Australia, Brazil, Canada, Ecuador, Philippines, Venezuela, and EPO designating France, Germany, Netherlands, and Switzerland.

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373901 PM 944/SMOKING COMPOSITIONS

E. Southwick and H. Grubbs
Chemical Research/Sanders/Osdene

In one of its embodiments this invention provides a smoking composition which contains a novel type of flavorant additive as exemplified by polymerized ethyl 2-propenyl 2-(2-butyl)malonate.

Inskeep/D&O

5-3-82 Filed in PTO; assignment recorded.

7-29-82 Prior art statement.

No corresponding foreign applications/patents.

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377989 PM 893 DIV II/OPTICALLY ACTIVE NICOTINE ANALOGS AND PROCESS FOR
THEIR PREPARATION

W. Edwards III
Chemical Research/Sanders/Osdene

This invention provides a process for the preparation of cotinine and nicotine analogs containing substituents on pyrrolidinone/pyrrolidine ring at the 3' position of cotinine and at the 4' and 5' position of nicotine.

Inskeep/D&O
5-13-82 Filed in PTO.
4-7-83 Action rejecting all claims (response due 7 July).

No corresponding foreign applications/patents.

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377990 PM 893 DIV I/OPTICALLY ACTIVE NICOTINE ANALOGS AND PROCESS FOR
THEIR PREPARATION

W. Edwards III
Chemical Research/Sanders/Osdene

This invention provides a process for the preparation of cotinine and nicotine analogs containing substituents on pyrrolidinone/pyrrolidine ring at the 3' position of cotinine and at the 4' and 5' position of nicotine.

Inskeep/D&O
5-13-82 Filed in PTO with preliminary amendment.
3-31-83 Action rejecting all claims (response due 31 June).

No corresponding foreign applications/patents.

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410205 PM 894/1,4-DIACYLPIPERAZINE FLAVORED SMOKING COMPOSITIONS

W. Edwards and Y. Houminer
Chemical Research/Sanders/Osdene

This invention provides smoking compositions which contain a diacylpiperazine additive such as 1,4-(2-methyl-propionyl)-2,3,5,6-tetramethylpiperazine. The preferred diacylpiperazine additives impart enhanced flavor response and smoothness.

Inskeep/D&O
8-23-82 Filed in PTO; assignment recorded.
11-26-82 Prior art statement.

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417271 PM 1095/SMOKING COMPOSITIONS

W. Chan
Chemical Research/Sanders/Osdene

A non-volatile source of ketone to flavor tobacco smoke is provided by a beta-ketocarboxylic acid ester of a sugar or related compound. The ester is applied to the smoking material and remains in place until the burning coal releases the ketone.

Inskeep
9-13-82 Filed in PTO; assignment recorded.
12-28-82 Prior art statement.

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421922 PM 1080/SMOKING COMPOSITIONS CONTAINING NOVEL ACYLPYRAZINE
FLAVORANTS

D. Williams, E. Southwick, and Y. Houminer
Chemical Research/Sanders/Osdene

In one of its embodiments the present invention provides a smoking composition which contains a novel type of bicyclic acylpyrazine flavorant additive as exemplified by 2-acetyl-5,6,7,8-tetrahydroxyclohexa,b.pyrazine.

Inskeep/D&O

9-23-82 Filed in PTO; assignment recorded.

1-31-83 Prior art statement.

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467412 PM 1130/SMOKING COMPOSITIONS CONTAINING A NOVEL MONOACYL-PYRAZINE FLAVORANT

Y. Houminer, E. Southwick, and D. Williams
Chemical Research/Sanders/Osdene

This invention provides smoking compositions which contain a monoacylpyrazine compound as a flavorant additive. In one of its embodiments, this invention provides tobacco compositions which contain a monoacylpyrazine flavorant additive such as 1-pyrazinyl-2,2-dimethyl-1-propanone. Under cigarette smoking conditions the monoacylpyrazine additive flavors the mainstream smoke and enriches the aroma of the sidestream smoke.

Inskip/D&O
2-17-83 Filed in PTO; assignment recorded.

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482100 1127/SMOKING COMPOSITIONS

K. Podraza and Y. Houminer
Chemical Research/Sanders/Osdene

This invention provides smoking compositions which contain a monocarbonate ester compound as a flavorant additive. In one of its embodiments, this invention provides tobacco compositions which contain a monocarbonate ester flavorant additive such as 1-phenoxy-carbonyloxy-3-propanol. Under cigarette smoking conditions this monocarbonate ester pyrolyzes into phenol and other products which flavor the mainstream and sidestream smoke.

Inskeep/D&O
4-4-83 Filed in PTO.

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PM 1030 CONT/PRODUCTION OF MONOACYLPYRAZINES

D. Williams, Y. Houminer, and R. Southwick
Chemical Research/Sanders/Osdene

This invention provides a process for preparing monoacylpyrazines which involves coreacting a pyrazine compound and an aldehyde compound under free radical conditions in a heterogeneous reaction medium consisting of an organic phase and an aqueous phase.

Inskip/D&O

9-30-81 Filed in PTO; assignment recorded.
7-14-82 Action rejecting all claims (response due 14 October).
10-82 Amendment.
12-23-83 Final rejection.
2-9-83 Amendment.
3-11-83 Advisory action.
3-15-83 Request for 1-month extension.
4-19-83 SN 307262 abandoned and continuation filed in PTO.

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